

**Response**  
**Appl. No. 09/419,927**

**IN THE CLAIMS**

Please delete claims 1 through 3 without prejudice.

Please insert claims 4 through 9 as follows.

4. (New) A composition comprising:

a protein of extensin, said protein being absent a tetra-hydroxyproline block and in a pharmaceutically active concentration sufficient for cytotoxic enhancement of lymphocytes.

5. (New) The composition of claim 4 wherein said protein of extensin is sugar beet extensin.

6. (New) The composition of claim 5 wherein said protein of extensin includes a sequence

Ser-Hyp2-X-Hyp2-Thr-Hyp-Val-Tyr-Lys

wherein X represents an insertion of Val-His-Glu or Lys-Tyr-Pro.

7. (New) The composition of claim 4 further comprising sugar beet fiber.

8. (New) The composition of claim 4 further comprising sugar beet pectin.

9. (New) The composition of claim 6 further comprising pectic polysaccharides.